



Apple Classrooms for the Future Software Solution

Apple's Classrooms for the Future solution provides a full suite of software solutions for both teachers and students as defined in the project specification. The requirements and solution are provided below.

Mac OS X 10.4 Tiger is the world's most advanced operating system. Built on a stable, secure, and reliable UNIX foundation and industry standard file, networking, and communications protocols, the intuitive and user-friendly OS X interface (Aqua) Tiger allows both students and teachers an unprecedented balance of power and simplicity. Mac OS X 10.4 Tiger also incorporates over 200 new features including a powerful search engine, sophisticated power management, and a wealth of built in capabilities and applications for communication, collaboration, and accessibility.

The RFP Specification:

The minimum specification for the device is listed on Part IV, Section IV-2b.ii). The solution must, at a minimum, provide the students and teachers with software to facilitate the following educational needs: writing (e.g., word processing, journaling, email, etc.), data analysis (e.g., spreadsheet, graphing and charting, GIS, etc.), presentations and publishing (e.g., slide shows, web authoring, etc.), multimedia creation (e.g., manipulation of digital images, audio, video, etc.), information management (e.g., database, concept mapping, etc.), research (e.g., Internet browsing with the ability to access and utilize multimedia and interactive content like streaming audio/video, javascripting, java applets, flash/shockwave, etc). This software is further defined in the detailed specification chart. While the Offeror is not required to provide educational content, it is encouraged to do so as a Value Added option. It will be considered Value Added, if the content is aligned with tools and resources with Pennsylvania's standards and assessment anchors.

The most cost effective licensing options should be provided through the Microsoft Select plus software assurance and School Agreement programs. Schools will own the Laptops during the course of the four-year lifecycle with the option to buy-out the software at the end of the four years

In addition to standard productivity tools such as Microsoft Office, FileMaker Pro and Inspiration, Apple's solution includes iLife'08, an unmatched integrated suite of applications that allows teachers and students to be not just "consumers" of digital content, but active and proficient "producers" as well. The iLife'08 suite includes iPhoto, iMovie HD, iWeb, iDVD, and GarageBand and is complemented by iTunes, the ideal tool for managing digital audio and video content. iWork'08 (including Pages for word processing, Keynote for presentations and Numbers for spread sheets.

Writing Software (e.g., word processing, journaling, email, etc.)



Mail, from Apple

Take control of your correspondence with Mac OS X Tiger Mail 2, now featuring Spotlight search technology. Find email instantly and accurately, organize messages using Smart Folders and share, save or view emailed images easily.



Office 2004, from Microsoft

Office 2004 Professional Edition provides presentation, spreadsheet, word processing and e-mail software from Microsoft. Files are stored in a format that allows for document portability across the Office product line.



NeoOffice

NeoOffice is a full-featured office productivity suite including word processing, spreadsheet, presentation, vector drawing, database, and macro functionality. It can be used as a free alternative to Microsoft Office for Mac. You can exchange documents with Microsoft Office and OpenOffice.org users, even on other platforms.



Inspiration, from Inspiration Software

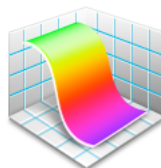
Inspiration's integrated diagramming and outlining environments work together to help students comprehend concepts and information. Educators use Inspiration to customize instruction, achieve standards, assess student progress, and energize learning. Use Inspiration to brainstorm ideas, plan, organize, structure an outline, create diagrams, and write reports.



Dictionary & Thesaurus, in Mac OS X

What's in a word? Mac OS X includes a new built-in dictionary and thesaurus application so you'll never be at a loss for words again. You'll have full access to both the New Oxford American Dictionary (2nd Edition) and the Oxford American Writers Thesaurus (1st Edition).

Data analysis (e.g., spreadsheet, graphing and charting, GIS, etc.)



Grapher, from Apple

Included in Mac OS X, Grapher is a graphing calculator with a 2D and 3D plotting tool and a rich equation editor that exports to many file formats (including QuickTime).



GRASS GIS (freeware)

GRASS GIS, is a Geographic Information System (GIS) used for data management, image processing, graphics production, spatial modeling, and visualization of many types of data.



FileMaker 8.5

FileMaker Pro is a cross platform database application from FileMaker Inc, known for its combination of power and ease of use. It is also noted for the integration of the database engine with its GUI-based interface, which allows users to modify the database by dragging new elements into the layouts/screens/forms that provide the user interface. This results in a 'quasi-object' development environment of a kind that is still largely unique in the "industrial strength" database world.



Google Earth

Google Earth is a desktop application for Mac, PC, or Linux computers that allows you to navigate planet Earth from multiple views. Google Earth combines satellite photos and maps with a search engine to allow you search to find directions and specific addresses or general locations and services.

Presentations and publishing (e.g., slide shows, web authoring, etc.)



iWork '08, from Apple

This exciting software suite makes it easy for students and teachers to create, present, and publish their work with style. iWork '08 provides two new powerful tools for the classroom—Keynote 08, Pages 08 and Numbers 08.



Keynote 08, from Apple

Apple's simple-to-use, cinema-quality presentation software—students can create stunning presentations to share their work.



Pages 08, from Apple

Apple's new streamlined page & word processor—students can choose from a collection of pre-designed templates to readily produce professional-looking newsletters, complex research reports, and more.



Numbers 08, from Apple

Introducing Numbers '08, the spreadsheet you've been waiting for — and already know how to use. Innovative, powerful, and intuitive, Numbers '08 lets you do everything from setting up your family budget to completing a lab report to creating detailed financial documents.



iWeb, from Apple

Part of iLife '08, iWeb makes it easy for students to make terrific-looking websites and blogs that can include movies created with iMovie HD, podcasts created with GarageBand, images from their iPhoto library, and more. They can then instantly publish their websites on the Internet. Students can use websites produced with iWeb to showcase their documentary films, to display their artwork, or to report on school events. Teachers can use iWeb websites to share class projects with students' families and with the school community.



Site Sucker

SiteSucker is an application that automatically downloads web sites from the Internet. It does this by copying the site's HTML documents, images, backgrounds, movies, and other files to your local hard drive.

SiteSucker can be used to make local copies of an entire web allowing a user to browse a site off-line



Journler

Journler is a daily notebook. The program provides an elegant, powerful outlet for your thoughts. Not only does Journler give your thoughts a place where you can find and bind them as needed, Journler helps you connect those thoughts with the source of their inspiration. By combining a richness of text and media technology, Journler allows you to add writing to your digital life without losing sight of other media.



SubEthaEdit v2.2

SubEthaEdit is a powerful and lean text editor. And it's the only collaborative one you can actually use. By combining the ease of Bonjour with the world's best text collaboration engine, it makes working together not only possible but even fun...

Multimedia creation (e.g., manipulation of digital images, audio, video, etc.)



iLife '08, from Apple

Bring the sights and sounds that excite and inspire your students into the classroom effortlessly with iLife '08—a highly integrated software suite that comes on every new Mac.



iMovie HD, from Apple

With iMovie HD, students can easily create movie projects that include digital video, photos, and music, as well as narration and text. Students can use iMovie HD to create video science reports, their own short films, or documentaries about current events. Teachers can use iMovie HD to share best practices with their peers.



iPhoto, from Apple

iPhoto makes it easy to download, organize, edit, and share digital photos. Students can create field trip slideshows, webpages with photos of their artwork, photo books, calendars, greeting cards, and more. They can also store and organize photos for use in their digital movies.



iDVD, from Apple

With iDVD, students can readily produce impressive DVDs to store and share their digital projects, document their learning, or present a class movie, complete with menus and chapters. And because DVD discs hold so much information, teachers can store several digital media projects on one DVD.



GarageBand, from Apple

Users can perform, record, & create music and audio. Easily create original pieces by combining pre-recorded music. Plug in a guitar, keyboard, or microphone & record music. GarageBand's Podcast Studio records podcasts then add images, jingles, and special effects. They can use their GarageBand compositions as soundtracks for their slideshows, movies, and DVD projects then publish content on webpages with iWeb.



iTunes, from Apple

The ubiquitous Apple jukebox is the perfect tool for organizing and managing your digital audio files. From music to podcasts, audiobooks to dictation, iTunes integrates fully into the other iLife '08 applications.



GNU Image Manipulation Program

The GNU Image Manipulation Program (GIMP) can be used to process digital graphics and photographs. Typical uses include creating graphics and logos, resizing and cropping photos, changing colors, combining images using a layer paradigm, removing unwanted image features, and converting between different image formats. The GIMP can also be used to create simple animated images.



Audio Recorder

Audio Recorder is an easy to use application that allows the user to record audio from any default input device directly to an AIFF, Apple Lossless (M4A and MOV), MP3, MP4 (M4A and MOV), or WAV file. Extremely useful in creating basic audio files for use in Podcasts, iMovies or audio archives.

Research (e.g., Internet browsing with the ability to access and utilize multimedia and interactive content like streaming audio/video, java scripting, java applets, flash/ shockwave, etc)



Safari, from Apple

The world's fastest web browser for the Mac, Safari now boasts built-in RSS support. Scan the latest news, information and articles from thousands of websites in one easy-to-read, searchable article list using Safari RSS. Safari also uses strong 128-bit encryption when accessing secure sites.



Spotlight, from Apple

A component of Mac OS X, Spotlight is a search technology that enables users to harness the information on their computers, turning their desktops into the equivalent of research libraries. Spotlight finds anything on the computer as quickly as the user can type. The entire system can be searched from one place: files, contacts, images, presentations, PDFs, and applications.



Sherlock, from Apple

Dramatically better than standard web browsers at retrieving and displaying some of the most practical and useful information available on the Internet. Especially useful for classrooms are the Dictionary, Thesaurus, and Translation features.



QuickTime, from Apple

The advanced QuickTime architecture provides state-of-the-art multimedia technologies that enable everything from high-definition audio and video playback to the creation of immersive environments. QuickTime empowers the development of innovative software such as iTunes, iMovie and Final Cut Pro from Apple as well as thousands of cross-platform programs from third parties.

QuickTime supports Flash 5. Macromedia's Shockwave Flash (.swf) file format is widely used on many web sites for animation. A .swf file can contain vector and bitmap animation, as well as interactive elements.



iChat AV & iSight, from Apple

Connect students to the world, and the world to students, with iChat AV and an integrated iSight camera, it's easy and affordable to bring videoconferencing into your classroom. You can instantly connect your students with students in other classrooms — all over the globe. And, it's an effective and easy way to bring experts into your classroom.

Java

Java has become the de-facto standard language for developing cross-platform applications. Recognizing this, Apple has made Java a core component of Mac OS X. Mac OS X includes the full version of Java 2, Standard Edition, version 1.4.2 — meaning you have the Java Developer Kit (JDK) and the HotSpot virtual machine (VM) without downloading, installing or configuring anything. And because Apple has optimized Java on Mac OS X, Java applications act as first-class citizens on Mac OS X.



Firefox

Mozilla Firefox is a free, open source, cross-platform graphical web browser developed by the Mozilla Corporation and hundreds of volunteers.[1] Started as a fork of the browser component (Navigator) of the Mozilla Application Suite, Firefox has replaced the Mozilla Suite as the Mozilla Foundation's flagship product.

Other software included in Mac OS X:



Dashboard, from Apple

Dashboard is home to widgets: mini-applications that let you perform common tasks and provide you with fast access to information. With a single click, Dashboard appears, complete with widgets that bring you a world of information — real-time weather, stock tickers, flight information and more — instantly. Dashboard disappears just as easily, so you can get back to what you were doing.



iCal, from Apple

Teachers and students have never been so busy. You need an easy-to-use tool that not only helps you stay on top of your events but lets others in your life do so as well. iCal helps you organize your schedule by letting you create as many separate calendars as you need. Create a calendar for home, a different one for school, a third for sports, etc.



Grab, from Apple

Built into Mac OS X, Grab is an application that allows for capturing screenshots of any window or screen



Preview, from Apple

Open, view, scroll, work within and print any PDF document in record time with Mac OS X Tiger. A built-in PDF viewer, Preview 3, and a robust two-dimensional drawing engine, Quartz 2D, make easy navigation and pristine printing possible. And using the Print To PDF feature of Mac OS X, users can create .pdf files from any application that can print.



Universal Access, from Apple

Built into Mac OS X are accommodations for users with vision, hearing and motor skill disabilities. Universal Access works across the OS and many applications to facilitate use of a Macintosh regardless of a user's disability. OS X's ability to support multiple users further allows each user to have a customized environment within a shared computer.



ClamXav

ClamXav is a open source virus checker for Mac OS X. It uses the tried, tested and very popular ClamAV open source antivirus engine as a back end. Clam AntiVirus is a GPL anti-virus toolkit that provides a flexible and scalable multi-threaded daemon, a command line scanner, and a tool for automatic updating via Internet.

A note regarding third party software:

As part of this project, Apple will provide laptop computers with certain third party software preinstalled on the hard drives. Some of these software titles are publicly distributed free of charge to the end user. Because these products are distributed without charge, they customarily are distributed without warranties, particularly with respect to functionality, data preservation, and non-infringement. To Apple's knowledge, none of the titles to be provided has known issues that would make it imprudent to use such software, but each is distributed with licenses that require the user to bear the risk that these titles might (a) not work as well as expected, (b) cause data loss, or (c) infringe the rights of third parties.

Accordingly, by accepting third party software as a component of Apple's solution, the PA Department of General Services agrees that any third party software is provided AS IS with no representations or warranties, either express or implied, as to the third party software's performance, safety, or ownership, unless the third party's license provides otherwise, in which case the State will look to the developers rather than Apple for breaches of those representations or warranties. To the extent permitted by law, the PA Department of General Services further agrees to waive, any claims it might have against Apple that arise as a result of Apple's provision of third party software, and to indemnify and hold Apple harmless from and against the claims of third parties arising from any usage by the schools contrary to the third party's licenses or the school's modification of the third party software in any respect.